

Dynapac CA1400D

Single drum vibratory rollers



Technical data



Masses

Operating mass (incl. ROPS)	14,350 lbs
Operating mass (incl. Cab)	14,700 lbs
Module mass (front/rear)	7,500/6,850 lbs
Max. operating mass	16,200 lbs



Propulsion

Speed range	0 -6 mph
Max. theoretical gradeability	56 %
Vertical oscillation	±9°



Compaction

Static linear load	114 lbs/in
Nominal amplitude (high/low)	1,7 /0,8 mm
Vibration frequency (high/low amplitude)	1,920/1,920 vpm
Centrifugal force (high/low amplitude)	25,600/12,400 lbf



Engine

Manufacturer/Model	Kubota V 3307 CR-TE4 (Stage IIIB/T4f)
Type	Water cooled turbo Diesel
Rated power, SAE J1995	55 kW (75 hp) @ 2,200 rpm
Fuel tank capacity	31 gal



Engine

Manufacturer/Model	Kubota V 3307 CR-TE5 (Stage V)
Type	Water cooled turbo Diesel
Rated power, SAE J1995	55 kW (75 hp) @ 2,200 rpm
Fuel tank capacity	31 gal



Hydraulic system

Driving	Hydrostatic with a traction pump supplying two parallel connected motors, one on rear axle and one on drum.
Vibration	Hydrostatic with a vibration pump supplying a motor connected to the eccentric axle generating the vibrations.
Steering	Mechanical-hydraulic with steering valve supplying the steering cylinder. Steering angle is proportional to steering wheel.
Service brake	Hydrostatic in forward and reverse lever.
Parking/Emergency brake	Failsafe multidisc brake in rear axle and front drum motor.

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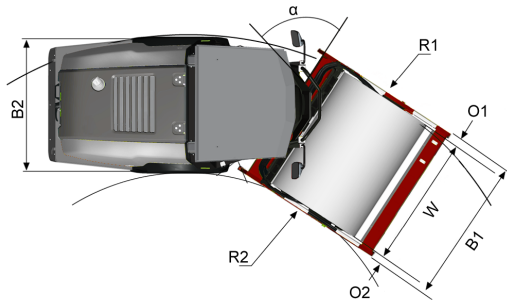
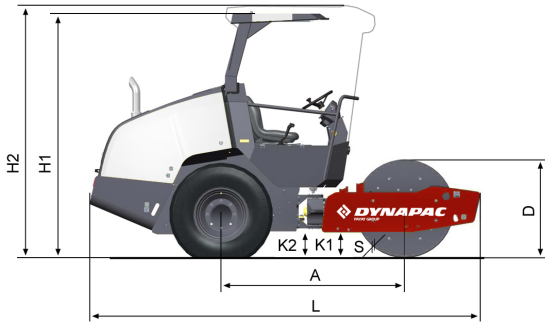
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Dimensions	
A. Wheelbase	87 in
B1. Width, front	73 in
B2. Width, rear	60 in
D. Drum diameter	48 in
H1. Height, with ROPS/cab	106 in
H2. Height, max.	106 in
K1. Ground clearance	14 in
K2. Curb clearance	14 in
L. Length	4510 mm
O1. Overhang, right	3 3/4 in
O2. Overhang, left	3 3/4 in
R1. Turning radius, outside	180 in
R2. Turning radius, inside	114 in
S. Drum shell thickness	0.87 in
W. Working width	66 in
α. Steering angle	±33°



Standard equipment

Back up alarm, Battery switch (std), Brake release, Cup and can holder, Differential lock (limited slip), Drive control (right side), Drum drive, ECO mode, Emergency stop, Engine 75 hp (Tier4final), Engine hood (lockable), Fuel level display, High mounted exhaust pipe, Horn, Hour meter display, Hydraulic checkpoints, Hydraulic fluid filter ("spin-on"), Hydraulic fluid (mineral), Interlock, Key (starter), Lifting points, Lifting points for jack, Manuals (Operation & Maintenance), Manuals (Spare parts catalogue), Operator's platform (rubber mouted), Operator's station (fixed), Parking brake, ROPS (fixed) or Cab with AC/heater/fan, Seat (adjustable), Seat belt 3", Storage box (on platform, ROPS only), Storage for laminated manuals, Tie down points, Vandal cover (instrument panel, ROPS only), Warning lights (brake, engine oil pressure, engine oil temperature, engine diagnostics, low charge, low fuel level)

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